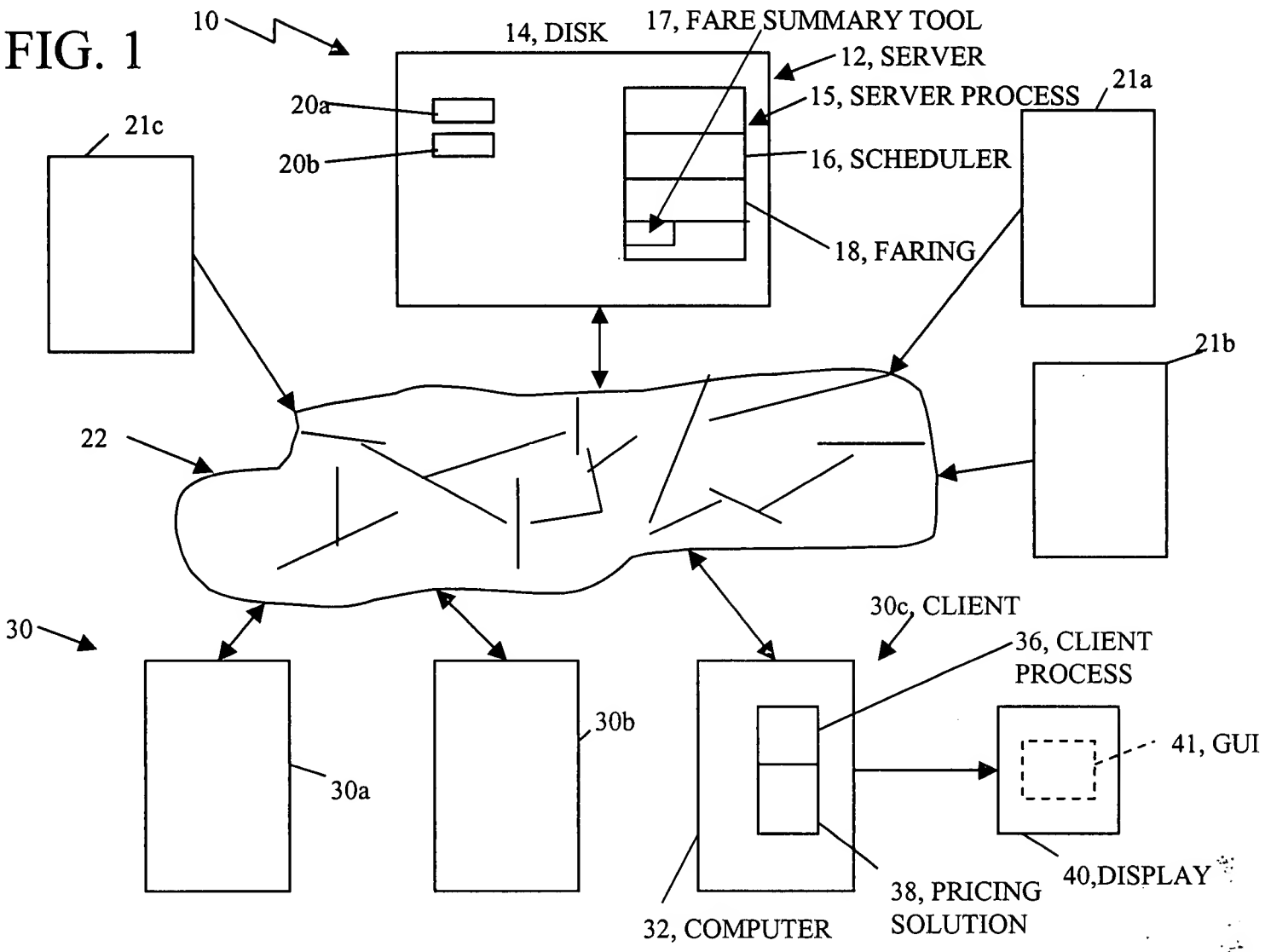
OIPE
JAN 07 2002
PATENT & TRADEMARK OFFICE
JC64

FIG. 1



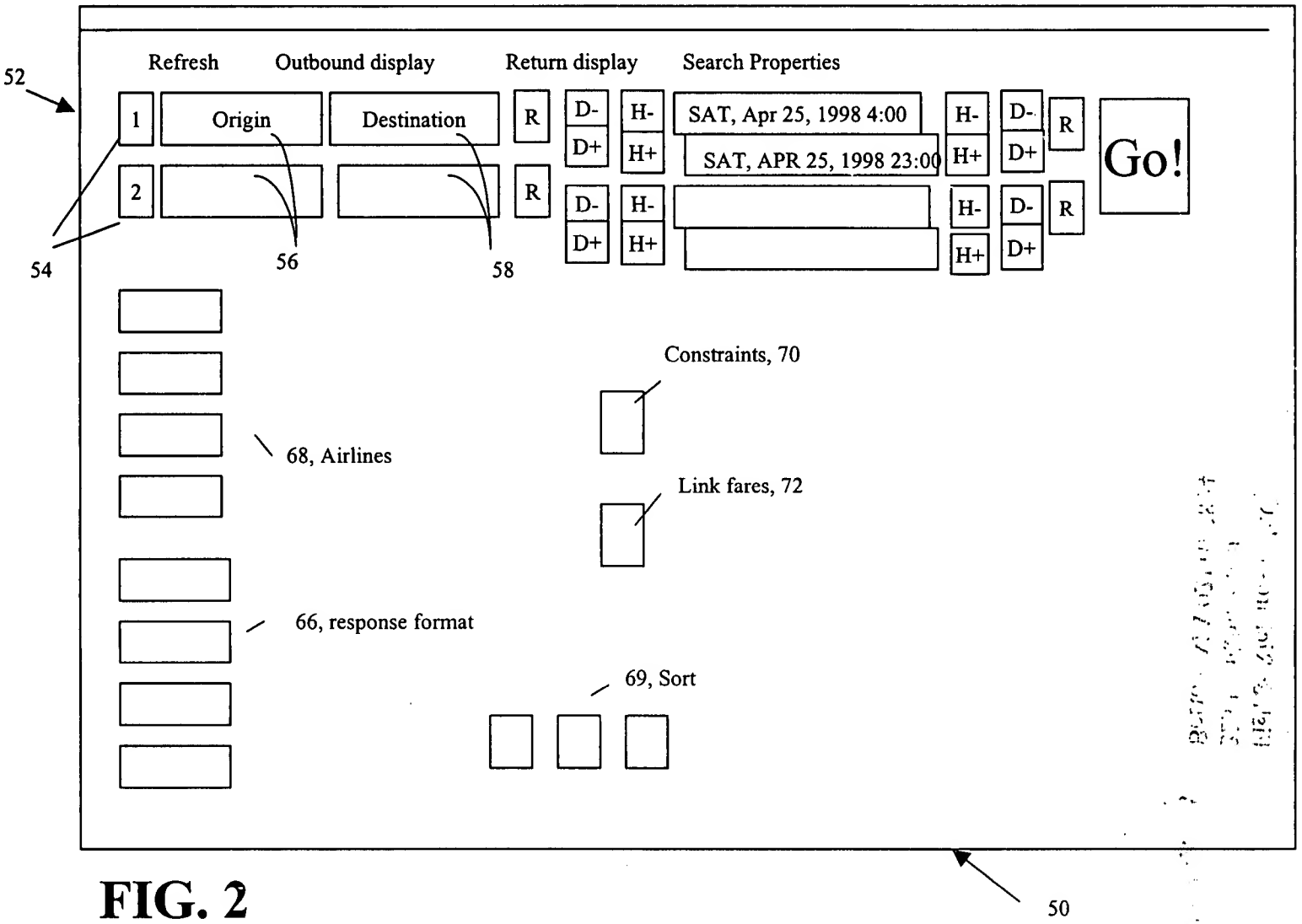
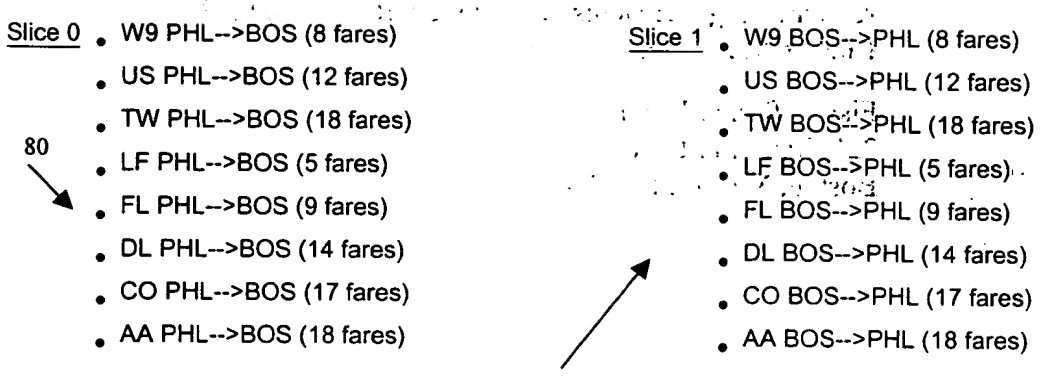

Refresh
Outbound display
Return display
Search Properties
52
1
Origin
Destination
R
D-
D+
H-
H+
SAT, Apr 25, 1998 4:00
SAT, APR 25, 1998 23:00
Go!
2
54
56
58
Constraints, 70
68, Airlines
Link fares, 72
66, response format
69, Sort
50

FIG. 2



86

92

96a

Slice 0

Fare	Price	Rule summaries, 93										Cmbs, 98						
		D/T	Flt	Adv	Mni	Max	Xfr	Blk	Tvl	Sls	Pen	A	B	C	D	E	F	G
CO.BOS->PHL.OW.Y	$504	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	G
TW.BOS->PHL.OW.Y	$504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	G
TW.BOS->PHL.OW.F	$755	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	G
CO.BOS->PHL.OW.F	$762	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	G
US.BOS->PHL.RT.KE14QN	$73	-	-	14|1	-	-	-	-	-	-	-	-	-	-	-	-	F	-
DL.BOS->PHL.RT.KE14NR	$75	-	-	14|1	-	-	-	-	-	-	-	-	-	C	-	-	-	-
US.BOS->PHL.OW.H28NX	$109	-	-	0|1	-	-	-	-	-	-	-	-	-	-	-	-	F	G
DL.BOS->PHL.OW.QNR	$112	-	-	0|1	-	-	-	-	-	-	-	-	-	C	-	-	-	G
CO.BOS->PHL.RT.QOE14SIP	$44	-TW----	-	14|1	-	-	-	-	-	-	-	-	B	-	-	-	-	-
DL.BOS->PHL.OW.L8A14NR	$44	mtwrfss	-	14|1	-	-	-	-	-	-	-	-	-	C	-	-	-	G
TW.BOS->PHL.RT.SSE14NR	$44	-TW----	-	14|1	-	-	-	-	-	-	-	-	-	-	-	E	-	-
US.BOS->PHL.OW.VA14TSQN	$44	mtwrfss	-	14|1	-	-	-	-	-	-	-	-	-	-	-	-	F	G
FL.BOS->PHL.OW.T3FL	$44	-	-	3|1/0	-	-	-	-	-	-	-	-	-	-	-	-	-	G
LF.BOS->PHL.OW.QNR	$45	-----Ss	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	G
LF.BOS->PHL.RT.VR21NR	$45	-	-	0|0/21	-	-	-	-	-	-	-	-	-	-	D	-	-	-
CO.BOS->PHL.RT.QSE21IP	$53	mTWr-S-	-	21|1	-	-	-	-	-	-	-	-	B	-	-	-	-	-
AA.BOS->PHL.RT.VE21SNR	$55	mTWr-S-	-	21|1	-	-	-	-	-	-	-	A	-	-	-	-	-	-

96c

88

96c

96b

96b

96b

FIG. 3

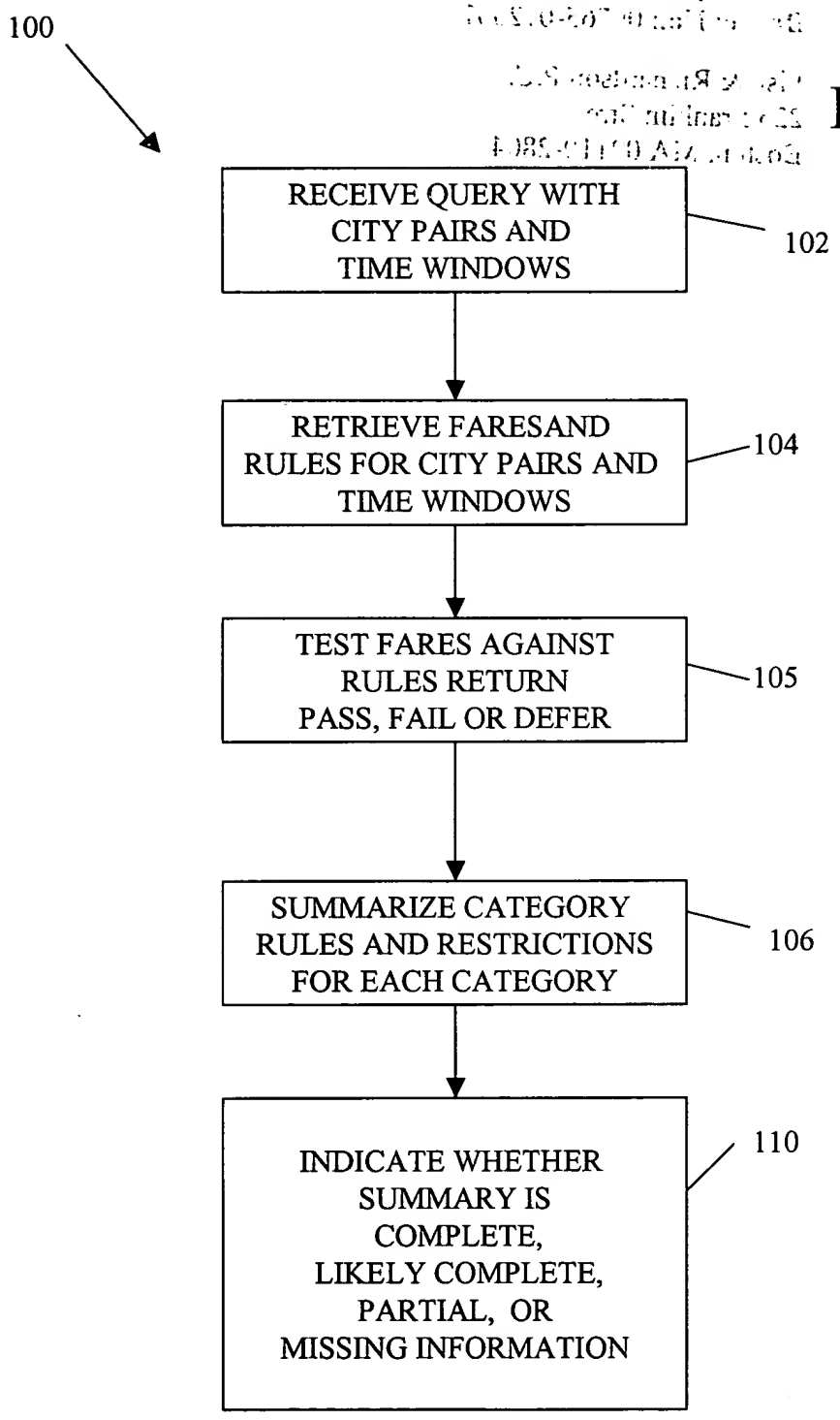

100
RECEIVE QUERY WITH CITY PAIRS AND TIME WINDOWS
102
RETRIEVE FARESAND RULES FOR CITY PAIRS AND TIME WINDOWS
104
TEST FARES AGAINST RULES RETURN PASS, FAIL OR DEFER
105
SUMMARIZE CATEGORY RULES AND RESTRICTIONS FOR EACH CATEGORY
106
INDICATE WHETHER SUMMARY IS COMPLETE, LIKELY COMPLETE, PARTIAL, OR MISSING INFORMATION
110

FIG. 4

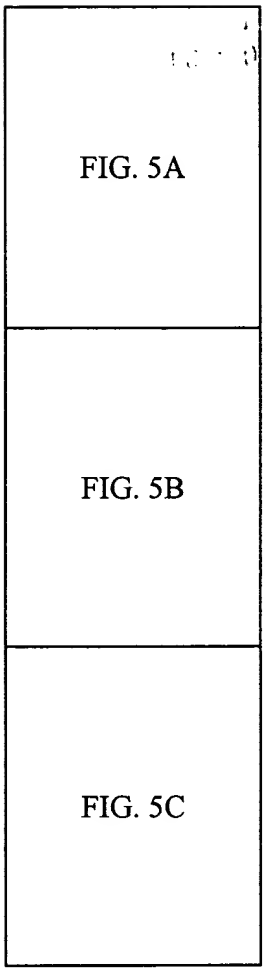
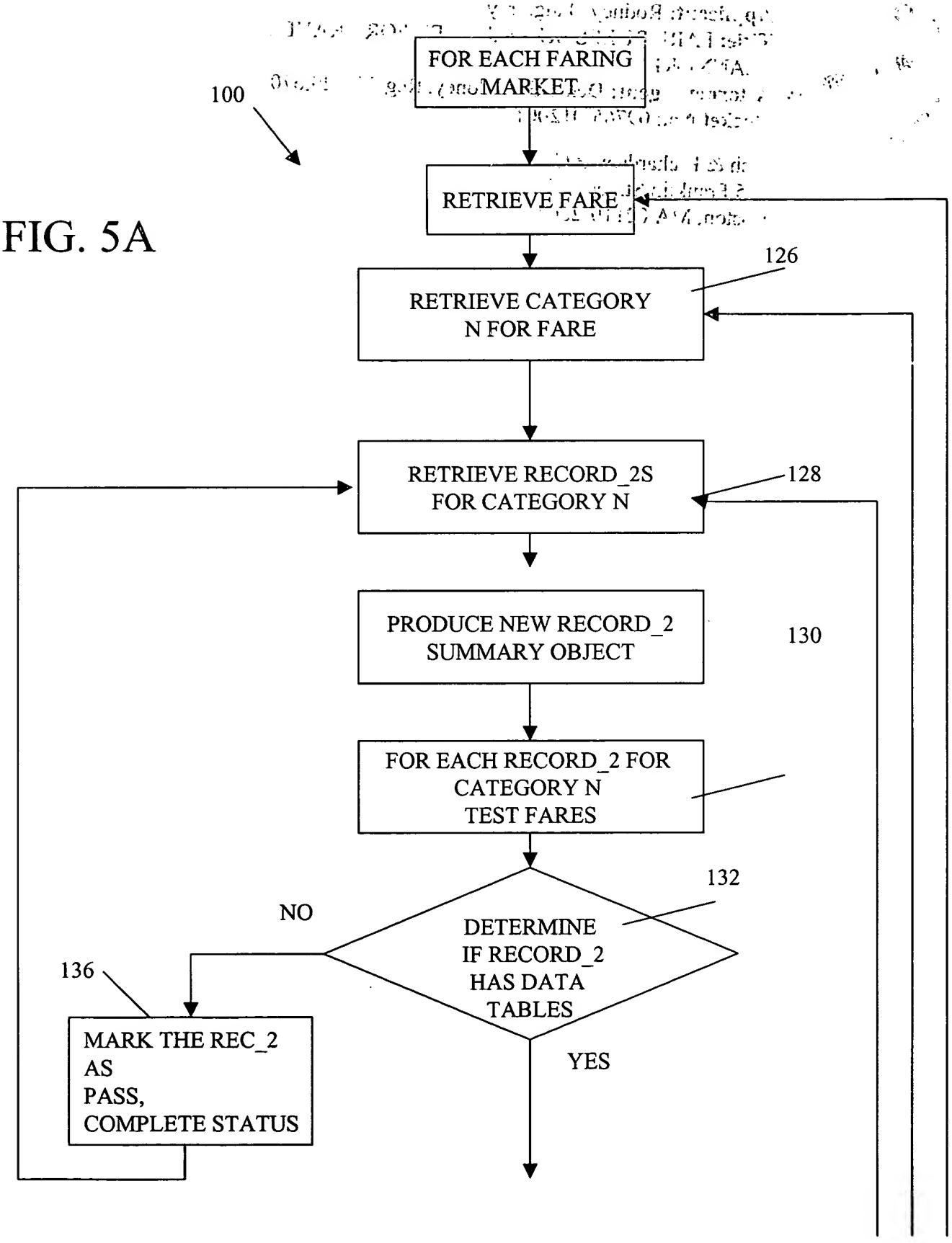


FIG. 5

FIG. 5A


100
FOR EACH FARING MARKET
RETRIEVE FARE
126
RETRIEVE CATEGORY N FOR FARE
RETRIEVE RECORD_2S FOR CATEGORY N
128
PRODUCE NEW RECORD_2 SUMMARY OBJECT
130
FOR EACH RECORD_2 FOR CATEGORY N TEST FARES
132
DETERMINE IF RECORD_2 HAS DATA TABLES
NO
YES
136
MARK THE REC_2 AS PASS, COMPLETE STATUS

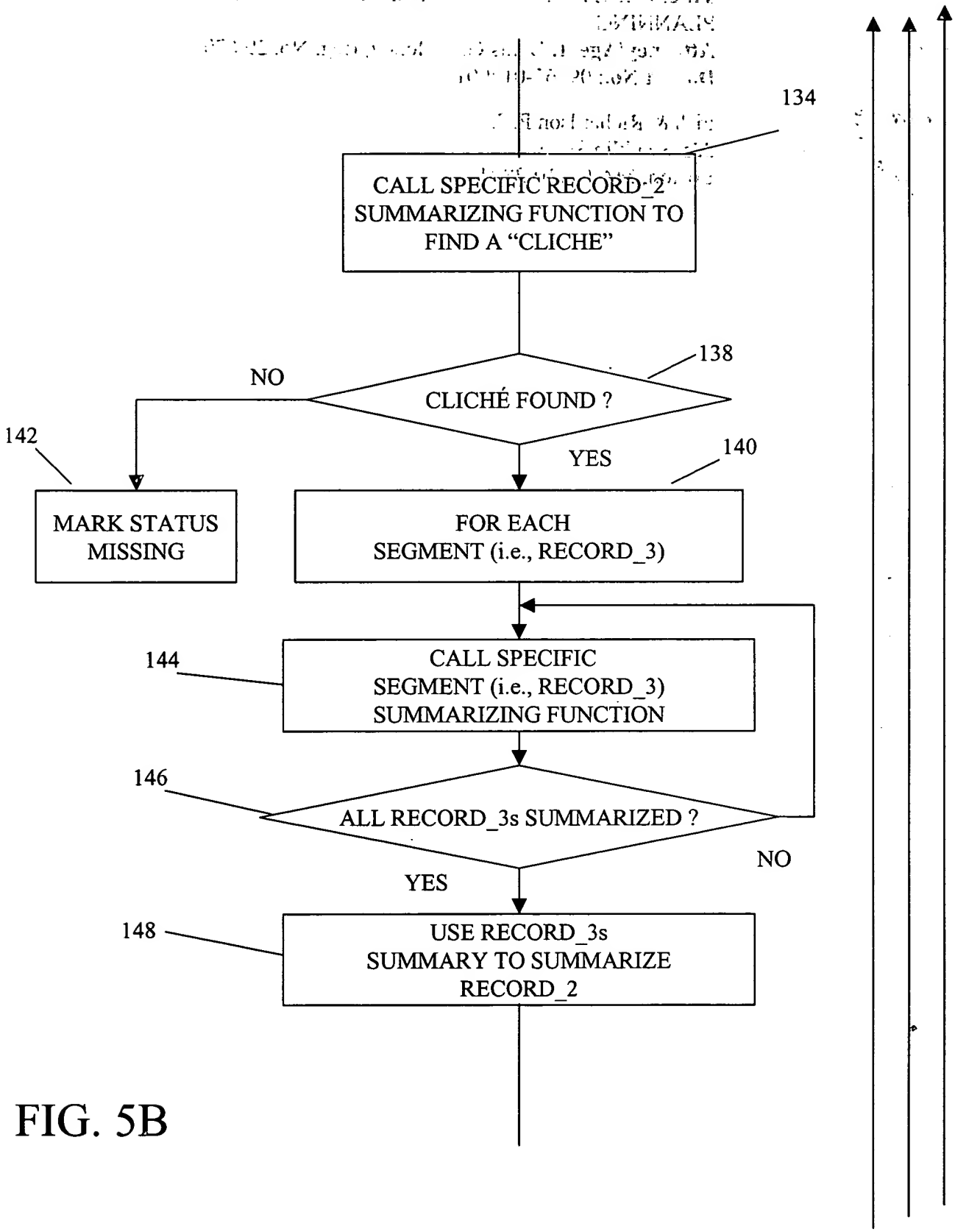

134
CALL SPECIFIC RECORD_2 SUMMARIZING FUNCTION TO FIND A "CLICHE"
138
NO
CLICHÉ FOUND ?
142
YES
140
MARK STATUS MISSING
FOR EACH SEGMENT (i.e., RECORD_3)
144
CALL SPECIFIC SEGMENT (i.e., RECORD_3) SUMMARIZING FUNCTION
146
ALL RECORD_3s SUMMARIZED ?
NO
YES
148
USE RECORD_3s SUMMARY TO SUMMARIZE RECORD_2

FIG. 5B

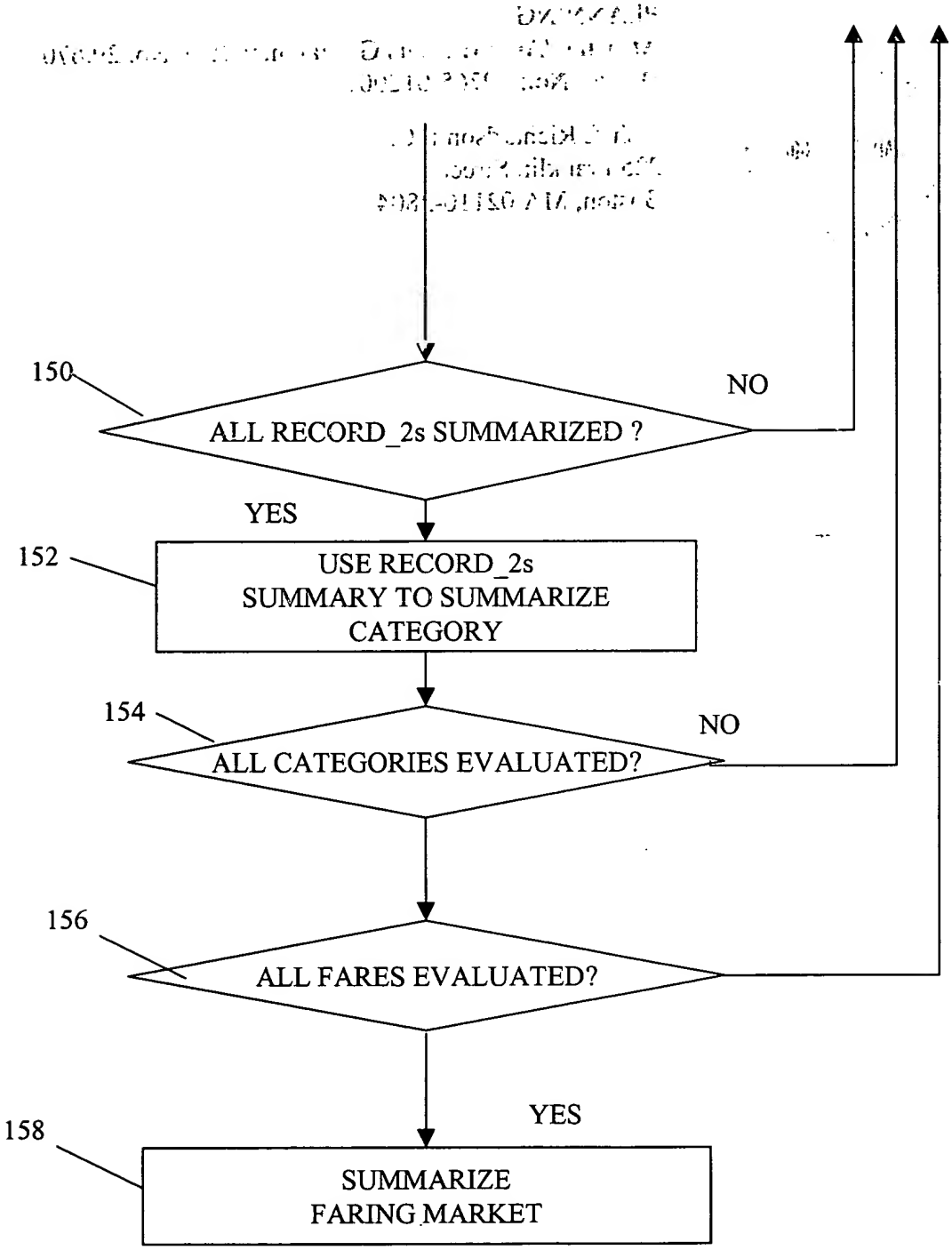

150
ALL RECORD_2s SUMMARIZED ?
NO
YES
152
USE RECORD_2s SUMMARY TO SUMMARIZE CATEGORY
154
ALL CATEGORIES EVALUATED?
NO
156
ALL FARES EVALUATED?
YES
158
SUMMARIZE FARING MARKET

FIG. 5C